

## WE CLAIM:

1. A 3D air-pumping shoe with its sole includes an outsole, a first air unit, and a second air unit; wherein, the bottom of the shoe contains an outsole, a first air unit and a second unit; the heel section of the outsole being provided in recess a first air chamber; the foot sole section of the outsole being provided in recess a second air chamber; at least one ventilation outlet being provided each on the sidewalls of the first and the second air chambers to communicate to the ambient; the first air unit containing a body and merely striding over the first air chamber, multiple air ducts being laterally provided in recess on the body to connect through the ventilation outlet on the sidewall of the outsole, a waterproof, air permeable film and a cushion being provided in sequence over the body of the first air unit; and the second air unit containing a body and merely striding over the second air chamber, multiple air ducts being laterally provided in recess on the body to connect through the ventilation outlet on the sidewall of the outsole, a waterproof, air permeable film and a cushion being provided in sequence over the body of the second air unit.  
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20. A 3D air-pumping shoe as claimed in Claim 1, wherein, lower ends

of all the air ducts on the first air unit are connected through one another with at least one air duct having its projection directly aligned at one of the ventilation outlets provided on the side wall of the outsole.

5 3. A 3D air-pumping shoe as claimed in Claim 1, wherein, lower ends of all the air ducts on the second air unit are connected through one another with at least one air duct having its projection directly aligned at one of the ventilation outlets provided on the side wall of the outsole.